

Patent claims:

1. A material laminate (1) with a planar dimension and a thickness direction perpendicular to the planar dimension, including a first liquid-permeable fibrous material layer (2) and a second liquid-permeable, porous and resilient material layer (3), with at least one of the material layers (2, 3) including thermoplastic material and the two material layers (2, 3) being mutually connected by the material laminate (1) exhibiting bonding sites (4) within which the thermoplastic material has been caused to at least partially soften or melt and thereby bond together the two material layers (2, 3), wherein the bonding areas extend in the thickness direction of the material laminate (1) through the first material layer (2) and at least through a part of the second material layer (3), characterized in that said bonding areas are arranged in two or more groups (5) with at least two bonding sites (4) in each group (5), with the greatest relative distance between two bonding sites (4), which are situated adjacent to each other, in a particular group (5) being less than the shortest distance between the group (5) and its closest adjacent group (5), as a result of which the material laminate (1) exhibits bond-free areas (6) between the bonding sites (4) within each bonding group (5) which have a higher density than bond-free areas (7, 9) of the material laminate which are situated between the bonding groups (5).

2. A material laminate according to Claim 1, characterized in that the bonding sites (4) comprise point bonds.

3. A material laminate according to Claim 1 or 2, characterized in that the bonding sites (4) comprise bonding lines.

4. A material laminate according to Claim 1, 2 or 3, characterized in that the bonding sites (4) comprise rectangular bonds.

5. A material laminate according to any one of Claims 1-4, characterized in that the bonding sites comprise circular bonds.

5 6. A material laminate according to any one of the preceding claims, characterized in that the first material layer (2) exhibits through-holes at the bonding sites (4).

10 7. A material laminate according to any one of the preceding claims, characterized in that the first material layer (2) consists of a nonwoven material.

15 8. A material laminate according to Claim 7, characterized in that the nonwoven material is a carded, thermally bonded material.

19 9. A material laminate according to any one of the preceding claims, characterized in that the second material layer (3) is a fibre wad layer having a thickness of 0.5-4 mm.

20 10. A material laminate according to any one of the preceding claims, characterized in that the shortest relative distance x between two groups (5) of bonding sites (4), which two groups are situated adjacent to each other, is at least twice as great as the greatest relative distance y between two bonding sites (4) which are arranged adjacent to each other within the groups (5).

25 11. A material laminate according to Claim 10, characterized in that the ratio x/y between the distances x and y is from 2/1 to 12/1.

30 12. A material laminate according to Claim 10 or 11, characterized in that x is 2-6 mm and y is 0.5-1 mm.

13. An absorbent product including a liquid-permeable outer layer

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enclosed between the two outer layers (2, 11), and also a liquid-permeable liquid-transferring layer (3) arranged between the liquid-permeable outer layer (2) and the absorptive body (12) characterized in that the liquid-permeable outer layer (2) and the liquid-permeable liquid-transferring layer (3) are present in the form of a material laminate in accordance with ~~any~~ one of the preceding patent claims!

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